

# FOLIO

University of Alberta

9 November 1989

*Five senior positions closed, four opened*

## Change arrives at University Hall's doorstep

The structure of the University's senior administration is going to be altered substantially.

In a recent five-page letter to Deans, Directors, and Chairs, President Paul Davenport describes the nature of the changes and the academic objectives they will help realize.

The Board of Governors agreed with President Paul Davenport's proposal that there be two new vice-presidents: Vice-President (Student and Academic Services) and Vice-President (Development and Community Affairs).

Coincidental with the filling of these positions, the positions of Associate Vice-President (Information Systems), Associate Vice-President (University Relations), and Executive Director

of Development will be closed.

Also in the works is the appointment of a Director of Research Grants and a Director of Contracts and Technology Transfer. The positions of Director of Research Services and Associate Director of Research Services will be discontinued.

Dr Davenport, whose detailed plan for reorganization was approved by the Board of Governors on 3 November, said the target date for appointment of the new vice-presidents is 1 July 1990.

With the addition of two vice-presidents, the University will have five such administrators, a figure Dr Davenport says is reasonable in view of the institution's size. He pointed out

that Toronto and McGill both have six vice-presidents and that Laval and Montreal both have five.

The reorganization will not directly result in an increase in hard-funded administrative positions. In fact, by closing five positions and opening four positions, the University releases one hard-funded position.

Dr Davenport anticipates little if anything in the way of additional secretarial and other support positions and office space.

The Vice-President (Student and Academic Services) will be responsible for Student Services; the Registrar's Office; all information services, including Computing Services and the Library; and certain services related to student affairs, such as Housing

and Food Services and the Bookstore. "This will be a portfolio dealing with issues of vital importance to students and academic staff," Dr Davenport says.

This new position will reduce the burdens on the Vice-President (Academic), whose portfolio is currently so broad and complex that it is generally impossible for the vice president to find the time for strategic academic planning in consultation with Deans and Chairs. Dr Davenport notes, "In the Vice-President (Academic), we have a position which should be the focus of academic leadership, but we have not allowed the vice-president the time to exercise that leadership. With this reorganization in view, I will be working with Dr Meekison to expand the role of the vice-president (Academic) in strategic academic planning and in the PACCR reviews of our academic units."

The University will undertake a "wide search" for a Vice-President (Development and Community Affairs). The position, Dr Davenport told the Governors, requires someone with strong development and public affairs skills, who can communicate effectively with Deans, Chairs, and other academic staff concerning internal academic priorities and external funding opportunities. "The cap on matching grants, the growing impatience with some of our best supporters with the current decentralization of our fundraising efforts, and the competition for donations to worthy causes across the country, make this position both important and difficult to fill."

The Vice-President (Development and Community Affairs) will hold responsibility for the activities of the Development Office, Alumni Affairs, and Public Affairs.

*Continued on page two*

## Gogo introduced to campus research

It was a busy day last Friday for Advanced Education Minister John Gogo and Deputy Minister Lynne Duncan.

Their full day on campus saw them introduced to the spectrum of research being undertaken at the U of A and to fundamental research initiatives involving industry and government. Mr Gogo also familiarized himself with projects likely to come to his attention in the months ahead.

The Minister, who has so far visited 23 of 29 public postsecondary institutions in the province, said he wanted to gain a thorough understanding of the needs of the institutions. He said on the basis of the visits, four basic issues appear to be most important: accountability of the institutions to the public; the

*Continued on page two*



Here, Ellie Prepas explains her research on lakes to the Minister.

## INSIDE

- Supercomputer here on loan
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- Princeton cosmologist a thinker of the first order
- U of A to receive \$15M through Networks of Centres of Excellence

# Board of Governors fits final segment of Corbett Hall restoration process into place

The Board has approved expenditures up to an amount of \$3,215,000 to acquire land and to plan for a facility for the Faculty of Extension.

The funding will be used to buy the property on the northeast corner of 83 Avenue and 112 Street and complete the preliminary planning for the design and construction of a building on the site.

This action constitutes the final step in the process necessitated by the restoration of Corbett Hall. That work can now proceed with the clear understanding that Corbett's longtime resident, the Faculty of Extension, will have a new home to move to. (Extension is currently "housed" under various roofs, including the Students' Union Building.)

The Faculty will occupy roughly

60,000 square feet in the new building; the balance of the space will be available for lease.

Completion date for the project has been set for the summer of 1991. □



Extension Building site

## Gogo

*Continued from page one*  
evolution of those institutions; the continued accessibility to postsecondary education; and the maintenance of the quality of postsecondary education in the province.

The Minister also met with executive members of AAS:UA NASA, and the Students' Union, and with the Vice-Presidents and Board members.

As well as an overview of research by Vice-President (Research) Bob James and Associate Vice-President Bob Busch, the Minister heard brief presentations from members of the Faculties of Medicine, Engineering, Arts, and Science.

Accompanying Mr Gogo and Dr Duncan were the Minister's Executive Assistant Charlene Blaney and Advanced Education Director of Communications Jane Simmons. □



John Orrell (left) explains to Advanced Education Minister John Gogo a little about the reconstruction of Shakespeare's Globe Theatre.

## University Hall

*Continued from page one*

In noting that the closure of the associate vice-president posts is necessitated by the reorganization, Dr Davenport complimented John Tartar (Information Systems) and David Norwood (University Relations) for their fine service. He added that Mr Norwood has accepted an offer from Dr James to assume the position of Director of Technology Transfer, when the new Vice-President (Development and Community Affairs) takes office.

Since the announcement of his appointment last December, President Davenport has discussed changes to senior administration with the Board of Governors, the Vice-Presidents, Deans' Council, the President's Advisory Committee of Chairs, the Planning and Priorities Committee, the Presidents of AAS:UA and NASA, and with many other members of the University community.

## Other matters

The Board of Governors endorsed a proposal from the Faculty of Education and the Faculty of

Physical Education and Recreation for a combined BPE/BEd program. The program, to be implemented in September 1990, will see students registered in the Faculty of Physical Education and Recreation (Department of Physical Education and Sport Studies) during years 1, 2 and 3 of their five-year program. In the two years preceding graduation, students will be registered in the Faculty of Education.

The Board Educational Affairs Committee announced the appointment of Nancy Kerr as Chair of the Department of Clothing and Textiles. Her five-year term of office began 25 July 1989.

Dr Kerr took her BSc at the University of Guelph, her MSc at the University of California at Davis, and her PhD at North Carolina State University.

Her first appointment at the University of Alberta occurred in 1966; she attained the rank of professor in 1985.

The Board called for the structuring of a Review Committee for Vice-President (Academic). J Peter Meekison has agreed to stand for reappointment. □

# FOLIO

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## 'Supercomputer' on campus

Myrias Research Corporation and the University of Alberta are hopeful the six-month loan period of the company's SPS-2 "supercomputer" will give users the opportunity to utilize powerful and innovative technology in their research activities.

According to Carmen Los, of the Edmonton-based company, they are anxious to allow scientists access to the technology so the company can in turn learn from the researchers' experiences. Allowing U of A scientists to use the supercomputer will, it's hoped, lead to the development of good, solid applications for the computer.

Department of Computing Science Chair Paul Sorenson says, "The hope is that there will be enough interest and collaboration to find the funds to allow the machine to stay on campus."

Brian Pinchbeck (Computing Science) says the cost of the supercomputer is "in the neighborhood of \$2 million, quite a bit cheaper than other supercomputers."

As well as inviting our own researchers to explore the potential of the machine, invitations will be issued to other schools across the country, Dr Sorenson says.

The computer incorporates the parallel application of microprocessor technology and

allows for major advances in high performance computing. It also allows for a broader spectrum of applications than those addressed by traditional, vector computers, company officials assert. In layman's terms, the supercomputer is faster and more efficient and by breaking tasks down into components, is able to do processing by delegation.

The company, which has a good number of former U of A computing science students on staff, shipped its first SPS-2 last April to the Alberta Research Council; the two groups have a joint research venture in the area of seismic analysis and reservoir modelling. The second and third systems were shipped to the Canadian and American governments in June. The University of Calgary and the Center for Applied Parallel Processing in Boulder, Colorado, also have the system.

Tony Marsland (Computing Science) plans to use the supercomputer and, he suggests, it may work well for solving problems posed by some researchers in the Mathematics and Chemistry Departments.

Dr Pinchbeck says a number of researchers in the Department of Computing Science and the Faculty of Science have enquired about using the machine. □



Public Affairs

### Where did those trees go?

Due to the imminent construction of University Station on 89 Avenue, some trees had to be sacrificed to make way for large equipment and excavation. According to Grounds Manager Wayne McCutcheon, once the new LRT station is complete, planting of young trees and landscape improvements for the area will be undertaken.

## New collections centre building cancelled

The Board of Governors approved the Board Building Committee recommendation to cancel plans for a new collections centre, known as the Timms Collections Centre, for budgetary reasons.

Tenders for the building came in more than 25 percent above the approved budget. In addition, operating cost projections would have been difficult to accommodate in a period of tight financial restraint, the Board was told.

Funds for the building came primarily from the bequest of

Alfred Timms, donations to the University's 75th Anniversary Campaign, and matching grants for those donations. The funds will be used for another capital project, as yet undetermined.

President Paul Davenport expressed his regret that the University was forced to abandon a project that was a labor of love for all concerned. "On behalf of the University community, I want to thank those who dedicated so much time and effort to the Centre." □

## Benefits parity to arrive at year's end

What's been happening with respect to benefits parity, you ask? Upon ratification of the 1989-90 Board-NASA collective agreement, the wheels have been turning to implement benefits parity effective 1 January 1990.

"Action has been taken to amend the benefit plans. Although there are still a few loose ends, it won't be long before all the details are ready for release," says RJ Falconer, Director, Pension and Benefits Administration.

Over the next few weeks there will be articles in *Folio* as well as the Personnel Perspective and NASA newsletter. Each employee will also receive direct communication. Finally, a series of seminars will get under way on 28 November. Representatives from NASA, Personnel Services and Staff Relations and Pension and Benefits will be available to answer questions. We would welcome phone enquiries after these seminars, Mr Falconer says. □



Department of Computing Science Chair Paul Sorenson (left) and Myrias Research Corporation applications scientist Ron Meleshko examine the company's SPS-2 supercomputer.



## LETTERS

### English Department's hiring practices based on merit only

■ In your recent reporting of my remarks to the Academic Women's Association, you correctly reported that the English Department had made special efforts to increase the number of women on its staff. You seem to have left the incorrect impression, however, that this was done through "affirmative action" hiring in 1989. As I strongly emphasized in my remarks to the AWA, but as you did not report, the five women hired by the English Department in 1989 were hired on the basis of merit only: in a field of some 250 candidates, they were judged the best, in a selection process that involved wide participation by the department at large. The efforts made by the department were *recruiting* efforts (including personal visits by me to seventeen Canadian universities) which increased the number of female applicants from about a third of the total in 1988 to about half in 1989. The efforts did *not* include giving preference to female candidates.

During my term as Chair of the English Department (a department of about 75 percent male and 25 percent female professors though the vast majority of our students are women), we hired eleven new professors, six women and five men. Until the hiring of five women in 1989, however, the proportion during my term was five men and one woman. Strange that no one complained about that, or assumed we must have been giving preference to male candidates. In contrast, correspondence flying about the campus since our 1989 hirings reveals the sexist assumption that the only way five *women* could be hired is by giving them special preference.

*Linda Woodbridge  
Former Chair, Department of English*

### English Department, Chair acted fully in accordance with GFC policy

■ The Academic Women's Association is a society registered under *The Societies Act* with a constitution, purposes and membership which are open to scrutiny. Its meetings are normally not reported in *Folio* solely because the social activities and discussions that take place are presumed to be of interest only to those present.

The October AWA meeting, which was attended by 51 of our 163 paid-up members, was on a topic that concerns all academic staff, namely recruitment and hiring policies and procedures at this University. The panel discussion was publicly announced in a *Folio* story two weeks earlier, and a detailed notice was sent to all AWA members, along with a substantial information packet on the issues.

The day of the panel *Folio* sought permission to send a reporter. As AWA President I agreed, subject to the concurrence of those at the meeting. The presence of a reporter was announced at the meeting's outset and no one objected. Our feeling was that having the panel presentations reported in *Folio* made sense, since the purpose of the panel, as announced in our notice, was "to generate informed discussion . . . [of] policies and programs related to recruitment and hiring."

The report of Dr Linda Woodbridge's presentation is two sentences long. It mentions two or three points she made, but necessarily omits much more. One point that Dr Woodbridge made repeatedly, alluded to in the *Folio* article but not spelled out, is that *recruitment* is a key element in bringing more women on staff. Positions have to be made known to the widest possible range of excellent, qualified applicants, including women applicants.

A second point, not mentioned in the published report but heavily stressed by Dr Woodbridge, is that all the appointments

made in English last year were the result of a rigorous, exhaustive screening and selection process in which the entire department participated and in which gender was not a criterion. As Dr Woodbridge remarked, the fact that five women were hired should be no more remarkable than the fact that, for example, the previous six hirings in English had consisted of five men and one woman. These also had been hired solely on their academic qualifications.

Those present at the October meeting can attest to both these themes in Dr Woodbridge's presentation. Furthermore, a tape was made of the meeting and transcripts are being prepared. These will show that, contrary to the imputation in a letter to *Folio* (2 November), Dr Woodbridge and her department acted fully in accordance with GFC policy..

It is regrettable that on the basis of a two-sentence report of a two-hour meeting, Dr Woodbridge is being subjected to a renewal of the upsetting and wholly unwarranted attacks on her professional integrity that she experienced last spring and summer from a number of ill-informed colleagues. It is to be hoped that the English Department will collectively repudiate the aspersions that have been cast on its conduct, and that the writers of the letter will publicly withdraw their careless and irresponsible remarks. In particular, I believe they owe a formal apology to Dr Woodbridge, and to our five new colleagues in English.

*Susan Jackel  
AWA President, Canadian Studies*

### Still much interest in 'Canada, the World and the Future'

■ Interest in this conference is still strong several months after its cancellation. We continue to receive enquiries not only from local sources, but also from other parts of Canada, and some places in Europe.

The idea was to have a theme in accord with current trends in society, and one that would foster cooperation between the University, political leaders and the business community in addressing important national and international issues. The response to the conference concept was enthusiastic.

WRO Aitken (Executive Vice-President, Inco Limited), Ian R Smyth (President, Canadian Petroleum Association), and WJ Yurko (Chairman, Alberta Oil Sands Technology and Research Authority) immediately gave the conference their endorsement, and agreed to serve on its advisory council. Maurice Strong (President, World Federation of United Nations Associations, Geneva, and former Executive Director, United Nations Environment Program) agreed to be the keynote speaker. The Prime Minister was invited to open the conference.

Pierre Juneau (President, CBC) indicated that CBC would entertain being the media sponsor for the event, and would explore the possibility of national television coverage for selected conference sessions. Jim Edwards and Scott Thorkelson (Members of Parliament) endorsed the conference, encouraged the organizers to expand the concept, and assisted in broadening interest.

Don Gamble and Francios Bregha (Rawson Academy of Aquatic Science, Ottawa) were instrumental in the development of the conference concept, and invaluable assistance in the initial planning stages was provided by Gordon Fearn and Jorge Frascara (Professors, University of Alberta).

It is evident that if a conference was to be organized around the same concept at some stage in the future a certain support base would already exist.

*Christian TL Janssen  
Faculty of Business, Chairman, Conference Organizing Committee*

## Fall Convocation: Bégin, Blair, Folinsbee to be awarded honorary degrees

Fall Convocation will take place 16 and 18 November at the Jubilee Auditorium.

On the second day, the Honorable Monique Bégin will be awarded an honorary LLD degree. She will also deliver the Convocation Address.

Mme Bégin holds the Chair in Women's Studies at the Universities of Ottawa and Carleton. She was the first woman from Quebec to be elected to the House of Commons (1972) and subsequently served as Minister of National Revenue and Minister of National Health and Welfare. In the latter portfolio she sponsored the Child Tax Credit legislation and increased the Guaranteed Income Supplement for pensioners in need.

Mme Bégin left politics in 1984.

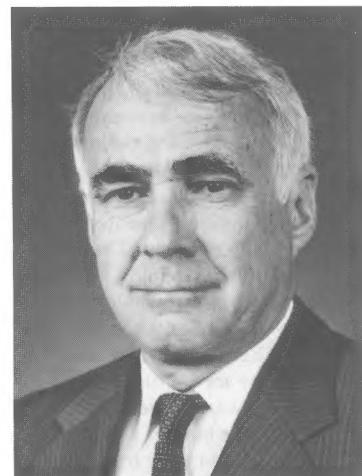
A number of other Canadian universities, including Toronto, Queen's, Dalhousie, and Laurentian, have awarded her honorary degrees.

Sidney (Bob) Blair, Chair and Chief Executive Officer of Nova, An Alberta Corporation, will receive an honorary DSc degree on 16 November. Mr Blair will also present the Convocation Address.

Before joining Nova in 1969, Mr Blair was prominent in field engineering and construction of



Monique Bégin



SR Blair



Robert Folinsbee

pipelines and refineries.

He is Companion of the Order of Canada and a recipient of the *Globe and Mail's* Businessman of the Year award and the Frank Spragins Gold Medal awarded by the Alberta Association of Professional Engineers.

Mr Blair has involved himself with the Canadian Centre for Arms Control and Disarmament, the Trade Policy Research Centre, the Pacific Basin Economic Council and the Engineering Institute of Canada.

Robert Folinsbee, Professor

Emeritus, University of Alberta, also be awarded an honorary DSc degree on 16 November.

Dr Folinsbee was a member of the Department of Geology for 32 years before retiring in 1978. He is credited with making important advances in the dating of key events in the geological history of our planet. His research was of equal importance to paleontologists studying the extinction of dinosaurs, and to geologists searching for ore bodies. This research remains valid and virtually unchanged a quarter of a century

later.

Dr Folinsbee was Chair of the Department of Geology for 14 years, during which time he expanded his researches into meteoritics. He recovered most of the Bruderheim meteorite which fell in 1960 and it subsequently became the foundation of the University's meteorite collection.

His work has brought Dr Folinsbee many honors, including being named an Officer of the Order of Canada and a Fellow of the Royal Society of Canada. □

## General Faculties Council hears that Library's troubles persist

General Faculties Council met on 30 October. Council Chair Paul Davenport began the meeting by congratulating Manfred Prokop (Germanic Languages) and Lois Stanford (Linguistics) for being named 3M Award recipients.

Dr Davenport gave a brief rundown of Presidential Installation Week, saying that "Super Saturday" and its program of mini courses for public consumption was his favorite event. The main concern, he said, was that organizers would outnumber audiences. However, classrooms were filled to capacity. Dr Davenport also noted that more than a few youngsters turned up and asked their fair share of questions.

"The response was so good that we're thinking of doing it again on a regular basis," he told Council.

The annual report of the GFC

Library Committee was brought forward by the committee's new Chair, Rob Merrett (English). The most important issue facing the committee at the beginning of the year, the report stated, was the continuing effort to gain the support of the University administration for a proposal to index the base budget of the Library for materials acquisition, so that the erosion of purchasing power experienced over the last decade could be slowed, or finally terminated.

The matter has been delayed in view of the "unfortunate state of the University budget in general."

The committee feels that a failure to index the materials budget of the Library, or to come up with another remedy for the problem, would mean to "simply acquiesce in the continued erosion of a collection which has already

become inadequate for first-rate research at the professional level in most areas of specialization."

Collection preservation is another concern. The committee says that the means to prevent further disintegration and defacing of materials must be found soon.

Dr Merrett told the assembly that "we're very often tailoring our collection to our *current* faculty. Is that what a collection is?"

Jim Robb (Law) commented that there is a significant morale problem among Library staff caused by their having to make do with ever diminishing resources.

Fines for late returns is the only item that the Library is making charges for.

John Teskey, Acting Chief Librarian, said resource sharing of journals is being considered by universities in Western Canada.

Council approved the Centre of

Gerontology as a University entity so that it will be eligible to be considered for base-budget funding. (It's up to the Planning and Priorities Committee to determine the level of such funding.)

The Centre for Gerontology was established in 1983 as a multidisciplinary unit under the auspices of the Vice-President (Research).

As well, Council approved a proposal for a collaborative baccalaureate program in nursing with the University Hospitals. The program, which includes a quota in the third year, will begin in September 1990.

"The participating hospitals view this as pioneering and very important," said Vice-President (Academic) Peter Meekison. □

## Youth Emergency Shelter Society supported by United Way

A flop house it isn't. The rainbow over the door of the red brick building on the north side of the Mill Creek bridge reinforces the feeling of hope that lives within. The Youth Emergency Shelter Society (YESS), housed in a renovated firehall, is a temporary refuge for young people whose lives are in turmoil and who have either run away from home or who have been thrown away by a parent or parents who were unable to cope with their parenting responsibilities.

At the shelter there is a loving family of volunteers and professionals, who are not just satisfied with providing the basics in food, shelter and safety. It's a family who cares about the future of young people asking for help.

"Children, typically between the ages of 16 and 17, come to us out a basic need to survive. It is not meant to take the place of the child's actual home. It's just an interim measure until the child is able, with our help and encouragement, to sort things out," says Gail Williams, the shelter's Program Manager.

Many of the residents of YESS are homeless, living on the streets, scrounging for food and getting shelter where they can. Some have sought to support themselves

through prostitution. Some have sought relief for their problems through drugs and alcohol. Some of them are casualties of the gaps in the social service system because of their age. Many are victims of family breakdown. All socioeconomic, racial and religious backgrounds are represented. They come from everywhere. They may be our neighbour's child.

Tracy, 16, is a throwaway. Her father travelled a lot when she was young, so her mother had sole responsibility for her upbringing. When Tracy was 12, her mother died. After her mother's death, Tracy was looked after by her grandmother until her father could take over.

Her father found his new responsibility overwhelming. He couldn't cope. "He kicked me out of the house," Tracy said. "After living at the 'Y' for a short while, I ran out of money. So I lived on the street. It was scary," she said.

It was winter and the bus station was warm. It became her home until chance viewing of a YESS commercial gave her hope. She pursued it and went to live at the shelter. While at the shelter, she, along with other residents, was obliged to do chores and actively seek employment. Counsellors give the prospective employees hints on how to approach an employer, before they go job hunting.

"It's good here," she said. "I discovered I'm not the only one with those problems. I can talk to the counsellors and they are encouraging. The best thing is they helped me set a goal so I can have my life situation the way I want it."

"It's difficult to look at the child's problem in isolation. We look at helping the individual, but consider the family unit as well," said Williams. "There are cases in which the parents aren't bad—they just have difficulty in dealing with a disruptive child. Sometimes they drop the child off on our doorstep, green garbage bags of belongings and all, hoping that we will be able to solve the problem. The first thing we do is contact the parents or legal guardians and find out what we can do to help."

"People pass by the shelter and see only the word 'youth' on our sign. They fail to see the other important words, 'emergency shelter' and assume it's just another flop house for kids. The

shelter is far from being a place to hang out and be cool," she said. "If children are not trying to help themselves, this is not the place for them."

The Youth Emergency Shelter Society was formed as a nonprofit, charitable society in 1981. It was founded on the two principles of community accountability and volunteerism. The focus of the service is crisis intervention. Whenever possible, family reconciliation is the option of choice. YESS became a member of the United Way in 1984. The

telephone number for the shelter is 468-7070.\*□

\* This article was prepared by Beth Wilkins.



**United Way**  
OF EDMONTON AND AREA

## Warmington appointed Acting Director of Development

Pat Warmington, formerly Manager of the Development Office's Annual Fund and Special Projects, has been appointed Acting Director of Development effective immediately.

Before joining the Development Office one year ago she was Communications Coordinator for the Faculty of Business; her main responsibility was the Competitive Edge Campaign.

Ms Warmington and the Development staff will maintain the annual giving program (Project Leadership Dialogue is past the \$1/2 million mark and the goal is to reach \$1 million by the end of this fiscal year), and assist the Faculty

of Engineering as it winds up its campaign. Work is also under way on a consistent program of recognition for donors at all levels.

The Acting Director says that everything is still available for matching but the realities are that we're fairly restricted in what we can look at in terms of having it matched. "We can't look to a matching incentive as the main reason for people to give."

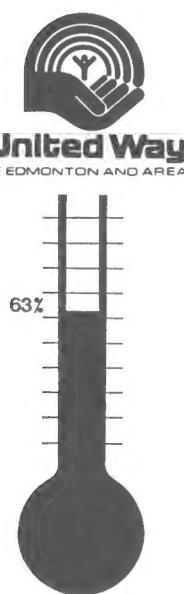
The Development Office coordinates the overall fundraising effort of the University, but it looks to individual Faculties and departments to contribute to the effort, she says.□



Pat Warmington

The Campus Campaign as of 3 November

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## 'Random walk' leads to life of studying the stars

It's somewhat ironic that a man who believes that life is a random walk is attempting to make some sense of how the distant galaxies have come to be.

In fact, Princeton University cosmologist Jim Peebles, who was invited recently by this University's Physics Department to guest lecture, began his random walk at the University of Manitoba by enrolling in the engineering program.

As a boy growing up in the St Boniface area, he had always been fascinated with steam locomotives. "All those moving parts" intrigued him, so it was natural that he chose engineering. However, a good number of his friends were in physics and once he explored the topic, he knew he wanted to join them, the Albert Einstein Professor of Science says.

Soon after the bright young man arrived at Princeton for graduate studies, he chanced to meet physicist Bob Dicke. "In those days cosmology wasn't really much of a field," says Peebles, adding that Dicke was at the time focusing on gravity studies. It was only natural then that Peebles would do his thesis in the same area.

Henceforth, his continuing fascination with how things worked took on a much broader, cosmological scale. What were the origins of galaxies? How do they form? How could one uncover the clues that would lead to a better understanding of the evolution of the universe? These were questions he'd spend the next few decades pursuing.

But how does one do this? Recognizing that he is one of the few people who has been given an opportunity to spend a lifetime thinking, Dr Peebles says a starting point for answering these questions begins with a solid theory of gravity. Add to that methods of numerical computation and analysis and healthy doses of thought. "Of course, thinking isn't easy," he says.

But are we closer to an understanding of the evolution of the universe? "It's a young subject and it's not always obvious when we are making progress," he says.

"There are many questions to explore and many avenues to take."

He says it's difficult to point to any "stunning achievements" in

cosmology, but small steps are continually being made. "We are understanding better and better the way mass is distributed around galaxies," he says, adding that one of the still unsolved mysteries is the nature of the dark mass on the outskirts of galaxies.

One of the most profound developments in the science of the universe came with the development of computers. "Suddenly things we only dreamed of being able to do were possible," he says. But with the introduction of computers came dangers. "The computer promotes intellectual laziness," he says. "It's so easy to ask the computer one more question."

The father of three may be doggedly pursuing answers to cosmological questions, but he does recognize the need for downtime. "My problem is to get my mind to stop when I want to sleep," he says. So murder mysteries and "not very high-class fiction" serve as suitable distractions. He gardens and hikes and his summers are spent doing a great deal of travelling, meeting longtime friends such as Werner Israel, attending conferences and visiting hotbeds of cosmological research such as the Canadian Institute of Theoretical Astrophysics in Toronto.

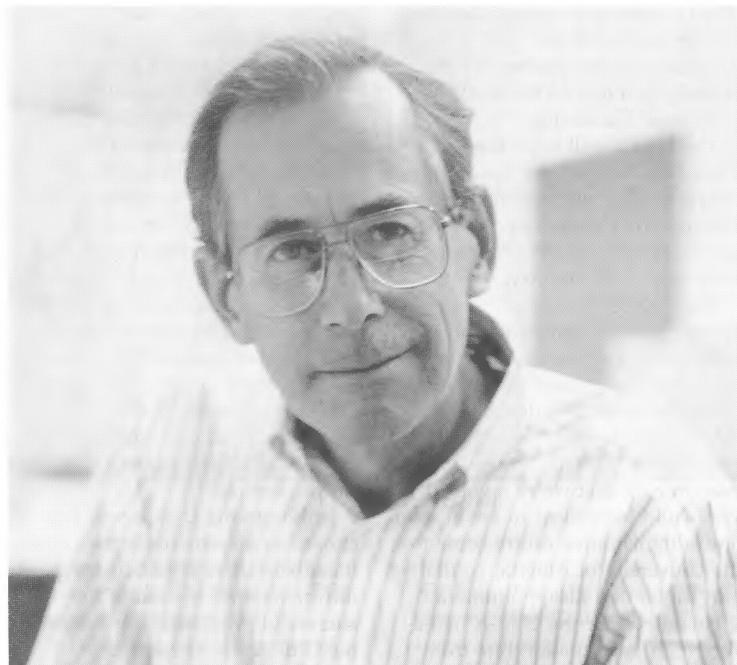
Dr Peebles and his wife, Alison, have many close friends in many countries. That fact alone may be proof enough that a "random walk" through life can be an extremely rewarding experience, even if one raises more questions than one answers. □

### An afternoon of fun and games

Campus Recreation is organizing a free Family Fun Sunday for University staff and students and neighboring community residents on 19 November, 1:30 to 4 pm.

The "fun afternoon" in the West Pool and Main Gym will provide an opportunity for participants to engage in unstructured recreational activities and some group activities.

Games start at 2; at 3 everyone will move to the pool for a swim. Cookies and juice will be served at 3:45 pm. Participants are urged to phone 492-2555 before 17 November to indicate the number of people in their parties. □



Public Affairs

Jim Peebles studies the way mass is distributed in our "immediate" neighborhood.

University of Alberta  
Edmonton



### THE RAYMOND U. LEMIEUX LECTURES ON BIOTECHNOLOGY

#### Fourth Lecture



Dr. Raymond U. Lemieux,  
F.R.S. University Professor

To honour  
Dr. Lemieux for  
his contribution  
to Alberta's  
biotechnology  
industry.

Professor JS Schell, Director  
Genetic Principles Department,  
Max Planck Institute  
Cologne, Fed Rep Germany

3:00 p.m. Friday,  
1 December 1989

Tory Lecture Theatre  
TLB 2

Sponsored by the  
Vice-President  
(Research) and  
ATRT.

Professor Schell has played leading roles in the application of genetics and genetic engineering to bacteria, viruses and plant tumors. His scientific contributions made in many countries include most recently participation in major planning in forestry developments in Canada.

# Calgary chosen as Canadian Network for Space Research

The University of Calgary has been chosen as one of the 14 administrative centres for the recently announced Networks of Centres of Excellence.

The U of C will head the Canadian Network for Space Research. The 14 scientific research projects were chosen by the federal government from 158 proposals from across the country.

The Centres consist of consortiums of universities and institutions and are designed to strengthen the nation's scientific and technological endeavors.

Vice-President (Research) Bob James says, "I think it's very encouraging that we're involved. We would have liked to see at least one administrative centre come to the University of Alberta, so that part's a bit of a disappointment."

He noted that the U of A had a very high participation rate from the very beginning, with 73 proposals being submitted. He estimated that over a four-year period, the University of Alberta would receive slightly under \$15 million as a result of the program.

The two universities which were most successful in landing administrative centres were the University of British Columbia and McGill University, with three each.

UBC will serve as the administrative centre for: Bacterial Diseases; Molecular Strategies for the Study and Control of Bacterial Pathogens of Humans, Animals, Fish and Plants; Genetic Basis of Human Diseases: Innovations for Health Care; and Protein Engineering: 3D Structure, Function and Design.

McGill University will be home to the Institute for Telecommunications Research; Respiratory Health Network of Centres of Excellence; and jointly, with Université de Montréal, the centre for Neural Regeneration and Recovery.

Other universities or institutions which will serve as administrative centres for the centres of excellence include: Queen's University (Biotechnology for Insect Pest Management); University of Waterloo (Centre of Excellence for Molecular and Interfacial Dynamics); Université de Sherbrooke (High Performance Concrete); PRECARN Associates Inc, Nepean (Institute for Robotics

and Intelligent Systems); University of Toronto (Microelectronic Devices, Circuits and Systems for Ultra Large Scale Integration); Dalhousie University (Ocean Production Enhancement Network); and Pulp and Paper Research Institute of Canada, Pointe Claire (Science and Engineering for High-Value Papers from Mechanical Wood-Pulps).

In effect, the administrative centres will work jointly with the other participating universities or institutions to coordinate their research activities. It's expected that the federal government will provide \$240 million over five years for the centres.

Although the U of A was not chosen as an administrative centre, it is involved as a participating university with several of the successful proposals. For example, the U of A was chosen to participate in the Bacterial Diseases; Space Research; High Performance Concrete; Robotics; Neural Regeneration and Protein Engineering projects.

Three Edmonton-based companies are also involved. Chembiomed will participate in the Bacterial Diseases project; Myrias Corporation will be involved in the Space Research project; and the Alberta Telecommunications Research Centre will participate in the Telecommunications Research project.

George Pedersen, Chair of the Board, Association of Universities and Colleges of Canada, said, "The networks of centres of excellence program represents an important step toward the enhancement of the research and development effort in this country."

However, AUCC officials sounded a cautionary note and pointed out that none of the proposals for networks were in the social sciences or humanities fields.

AUCC officials said they hoped that the federal government would take into account the special needs of the social sciences and humanities when it reviews budgets of other federal granting councils.

The program is designed to boost Canada's performance in science and technology; develop world-class engineers and scientists; pass on new technical information to industry; and begin a network of collaboration among

researchers across the country.

The three federal granting councils, NSERC, SSHRC and MRC, reviewed the applications, considering four basic criteria: the excellence of the science and people (50 percent); the proposed linkages among universities and institutions (20 percent); the

relevance of the research program to industrial competitiveness (20 percent); and the management structure (10 percent).

The program was announced last year as part of the federal government's new science and technology strategy. □

## Integration of severely disabled students to be studied

The Scottish Rite Charitable Foundation of Canada has awarded \$4,500 to the University of Alberta to study the effects of integrating students with severe disabilities into regular classrooms.

The award is the result of a competition among researchers and was adjudicated by the Ontario-based G Allan Roeher Institute (formerly the National Institute on Mental Retardation).

The project was conceived by Mike Dreimanis, a graduate student in the Department of Educational Psychology Severe Disabilities Program, who developed the research proposal along with Dick Sobsey, Professor of Educational Psychology.

The practice of total integration

of students with severe disabilities has become increasingly popular in the past decade but it remains controversial among advocates and critics alike. However, there has so far been little scientific research on the subject to guide parents and schools in making decisions on whether or not to integrate these students.

Therefore, Dreimanis will use ethnographic methods to study integrated classrooms. He believes that a clearer picture of classroom interactions is critical to understanding the overall effects of integration. The project also includes the development of a comprehensive annotated bibliography on educational integration. □



ic Affairs

Dick Sobsey (centre) is flanked by Scottish Rite Charitable Foundation officials WA "Sandy" Milligan, Deputy for the Province of Alberta (left) and T Edward Bate, Valley representative for Northern Alberta.

## Selection Committee for Dean: Faculté Saint-Jean

An Advisory Selection Committee has begun its search for a Dean of Faculté Saint-Jean. The appointment will take effect 1 July 1990 or as soon as possible thereafter. Suggestions of possible candidates are invited. Since the incumbent, Dr JA Bour is a candidate, the committee is also soliciting information about the administration of the Faculty as part of the normal process of performance review after five years in office. Comments are invited with this stated purpose in mind.

Nominations or applications for the position, accompanied in the latter case by a detailed résumé of qualifications and experience and the names of three referees, should be submitted by 1 December 1989 to: Dr J Peter Meekison, Vice-President (Academic), Third Floor, University Hall, University of Alberta, Edmonton, Alberta T6G 2J9.

## CURRENTS



### Introduction to Online Searching in the Health Sciences

A lecture on the theory and mechanics of formulating and executing a computer search. The lab session puts into practice concepts and techniques from the lecture. Friday, 10 November, 2:45 pm, conference room, JW Scott Library (lecture). The labs take place on Tuesday, 14 November, 6:7:15 pm, 7:30-8:45 pm, and, if necessary, Wednesday, 15 November, 6:7:15 pm. For more information, call 492-7947. There is no charge for the lecture or for first time lab attendees.

### Library and Information Studies Alumni Associations

The Associations will be hosting an Author Reading Series with Stephen Hume of the *Vancouver Sun* on Thursday, 16 November, from 7:30-9 pm in the Heritage Lounge of Athabasca Hall. A reception will follow the reading. RSVP to Kit Wilson (yes only), 492-1463 before 14 November.

### Professional Development for APOs - Information Session

Gordon Weir, Coordinator of Occupational Health and Safety and General Safety Officer, will discuss a series of questions on "Creating a Safe Work Environment."

Date: Friday, 17 November. Time: 10:30 am to noon. Place: Council

## Appeal to environmentalists

We are an environmental group operating on campus. For potential cooperation, it is important for us to know about other groups/individuals on campus who are also environmentally active. Call Sandra Niessen, 492-5686, or Chuck Chamberlin, 492-0545. □

## EVENTS



### Talks

#### International Centre

9 November, 12:30 pm Mohammad Sabur, "Impact of Flooding in Bangladesh." 14 November, 12:30 pm Tipawan Prasertphan cooks Thai food and will provide recipes and a taste. 15 November, noon Cliff Pampineau, "Native Culture Archetypes." 16 November, 12:30 pm Bob Schmidt, "Water Resource Project in Bangladesh." 20 November, noon David Baine, "Innovative Education in India." 21 November, 12:30 pm Karen Matthews, "Feminist Themes in the Writings of Latin American Women." 22 November, noon Marziya Yasmin, "Cultural Retention Among South Asian Immigrants in Edmonton." 23 November, 12:30 pm Stephen Sleman, "Writing About Grenada." All events in 172 HUB International.

#### Chemical Engineering

9 November, 3 pm Warren Baker, NSERC/Dupont industrial research professor, Queen's University, "Reactive Extrusion of Polymer Systems." E342 Chemical-Mineral Engineering Building. 16 November, 3 pm Yan S Yiu, "Multirate Adaptive Inferential Control of Distillation Column Bottoms Composition." E342 Chemical-Mineral Engineering Building.

#### CITL

9 November, 3 pm Paula Brook, "Reviving the Walking Dead: Increasing Involvement of Non-Involved Students." 235 CAB. 14 November, 12:30 pm Education Librarians, "Education Databases on Spires." TBW-2 Tory Breezeway. 15 November, 1 pm Hugh C Phillips, "Speaking with Class." TBW-2 Tory Breezeway. 16 November, 3 pm Jean H Young, "Individualized Instruction: Can it be Done at the University Level?" TBW-2 Tory Breezeway.

21 November, 3 pm Fred Vermeulen, "Making and Using Simple Computer Movies to Help Students Understand Difficult Concepts." 436 Civil-Electrical Engineering Building.

### English

9 November, 3:30 pm A reading by Joan Crate, author of the novel *Breathing Water* and other works of poetry and fiction. L-3 Humanities Centre. 14 November, 3:30 pm Helen M Buss, "American Women's Autobiography, Literary Theory, Critical Practice, and Feminist Consciousness: An Exploration of Texts by Maya Angelou, Maxine Hong Kingston and Mary McCarthy." L-3 Humanities Centre. 22 November, 4 pm Elizabeth Meese, "(Ex) Tensions: Re-Figuring Feminist Criticism." L-3 Humanities Centre.

### History

9 November, 3:30 pm Egmont Lee, University of Calgary, "Rome's First Census, 1926-1927: Problems of Interpretation." 2-58 Tory Building. 23 November, 3:05 pm John Beattie, Department of History, University of Toronto, "State, Society and the Criminal Law in Early Eighteenth Century England." 2-58 Tory Building. 24 November, 3:05 pm John Beattie, "The Rise of Advocacy: Defence Counsel in the Eighteenth Century Criminal Trial." 1-5 Business Building.

### Entomology

9 November, 4 pm AT Finnamore, Invertebrate Zoology, Provincial Museum of Alberta, "Stigmin: The Relationships of Genera Within a Tribe of Apoid Wasps (Hymenoptera, Pemphredonidae)." TBW-1 Tory Breezeway. 16 November, 4 pm RO Ryan, "Lipoprotein Metabolism in the Tobacco Hornworm, *Manduca Sexta*." TBW-1 Tory Breezeway.

### Botany

9 November, 4 pm Dennis Gignac, "Habitat Limitation and Ecotope Structure of Mire *Sphagnum* in Western Canada." M-149 Biological Sciences Centre.

### Canadian Institute of Ukrainian Studies and Religious Studies

9 November, 7:30 pm Roman Yereniuk, Principal, St Andrew's College, University of Manitoba, "The Ukrainian Orthodox Church in the Eighteenth Century." Senate Chamber, Arts Building.

### Cross Cancer Institute

9 November, 7:30 pm John Akabutu, physician, and Eileen Harris and Judy McTavish, nurses, "Children with Cancer: The New Generation." Auditorium, Cross Cancer Institute. 16 November, 7:30 pm Ceinwin Cumming, Katherine Leonard, Nancy Digdon, "Cancer in the Family: Impact on Children." Auditorium, Cross Cancer Institute.

### Canadian Mediterranean Institute

9 November, 7:30 pm Egmont Lee,

director, Canadian Academic Centre in Italy, and professor of Renaissance History, University of Calgary, "Immigrants and the Beginnings of Modern Rome." Provincial Museum.

## Sociology

10 November, noon Don Starritt, "On Fishing in the Stream of Consciousness: A Comment on Sociological Theorizing." 5-15 Tory Building.

## Physics

10 November, 2 pm H Voigt, Rice University, Texas, "Plasma Convection in Earth Magnetosphere: Time Changes in a Giant Plasma Laboratory." V-121 V-Wing.

16 November, 3:30 pm J York, University of North Carolina, Chapel Hill, "Charged Black Holes in a Grand Canonical Ensemble." 631 Physics Building.

24 November, 2 pm R Ribotta, Université de Paris Sud Orsay, "Localised States, Defects and Spatio Temporal Disorder in a Convective Fluid." V-121 V-Wing.

## Economics

10 November, 3 pm Shmuel Sharir, "On the Meaning of the Labour Force Participation Rate: Was Mincer Correct After All?" 8-22 Tory Building.

14 November, 3:30 pm Neil Swan, Economic Council of Canada, "The Impact of Immigration on the Unemployment Rate." 8-22 Tory Building.

17 November, 3 pm Greg Dow, "Why Capital Hires Labour: A Conflict Theory of Organizational Form." 8-22 Tory Building.

23 November, 3:30 pm Ian McDonald, Queen's and University of Melbourne, "Insider-Dominated Trade Unions and the Range of Macroeconomic Equilibria." 8-22 Tory Building.

## Genetics

10 November, 3 pm J von Borstel, "Reversal of Potentially Lethal Lesions Induced in Mice by Ionizing Radiation." G-116 Biological Sciences Centre.

17 November, 3 pm Sean Hemmingsen, Plant Biotechnology Institute, National Research Council, Saskatoon, "Characterization of a Plant and a Bacterial Molecular Chaperone." G-116 Biological Sciences Centre.

## Zoology

10 November, 3:30 pm John Spence, "Population Structure of Pondskaters: Flights and Fantasy." M-149 Biological Sciences Centre.

17 November, 3:30 pm Stephen Carpenter, Centre for Limnology, University of Wisconsin, "Cascading Trophic Interactions and Lake Productivity." M-149 Biological Sciences Centre.

24 November, 3:30 pm Pat Chambers, National Hydrology Research Institute, Environment Canada, "Pollution and Prairie Rivers: The Role of Nutrients and Flow in Determining Aquatic Weed Abundance." M-149 Biological Sciences Centre.

## Political Science

14 November, 7:30 pm Carlos Tablada, professor of economics, University of Havana, Cuba, "The Relevance of Che Guevara's Economic and Political Ideas for Developing the Cuban Economy

Today." 2-115 Education North.

## Family Studies

15 November, 2 pm Berna Skrypnek, "The Intergenerational Transmission of Family Violence." 3-57 Assiniboa Hall.

## Devonian Botanic Garden

15 November, 7:30 pm Randy Currah, "Arctic Mycology—Some Fungi of Svalbard." CW-410 Biological Sciences Centre. Sponsor: Edmonton Mycological Club.

## Limnology and Fisheries Discussion Group

16 November, 12:30 pm Steve Carpenter, University of Wisconsin, "A Simple Testable Model of Bluegreen Algal Blooms." M-149 Biological Sciences Centre.

23 November, 12:30 pm Patricia Chambers, National Hydrology Research Institute, Saskatoon, "Impact of Crayfish on Aquatic Plant and Animal Communities." M-149 Biological Sciences Centre.

## Faculté Saint-Jean

16 novembre à 12h30 au cafétéria de la Faculté Saint-Jean, vous êtes convié(e)s à un dîner causerie sur la Femme et la Santé où la conférencière invitée sera Mme Monique Bégin. L'entrée est gratuite et du jus, du café et des sandwichs seront servis; veuillez cependant arriver tôt car le nombre de places est limité. Cet événement est organisé par l'ACFAS-Alberta et Action Education des Femmes en collaboration avec la Faculté Saint-Jean. Pour plus d'informations, contactez Bruno Maranda, à la Faculté Saint-Jean, au 465-8745.

## Soil Science

16 November, 12:30 pm CF Bentley, "New Approaches are Needed for Soil Science in International Development Programs." 2-36 Earth Sciences Building.

23 November, 12:30 pm SP Wani, International Crops Research Institute for the Semi-Arid Tropics, "Nitrogen Fixation Associated with Sorghum and Pearl Millet: Fact or Fiction?" 2-36 Earth Sciences Building.

## Music

16 November, 3:30 pm Colloquium—"The Pedagogy of Music Theory." Catherine Nolan, moderator. 2-32 Fine Arts Building.

## Rehabilitation Medicine

17 November, noon Steven Dennis, Director of Research and Development, Western Industrial Research and Training Centres, "People to People: Initiatives in Working with Severely Disabled Adults." 4104 Nurses' Residence.

## Women's Studies Program

17 November, 11 am Monique Bégin, Joint Chair of Women's Studies, Carleton University and Université d'Ottawa, "Health and Politics in Canada." L-1 Humanities Centre.

## Plant Science

17 November, 12:30 pm Mohan Kumar,

"The Role of Calcium in Signal Transduction in Plants."

1-06 Agriculture-Forestry Centre. 24 November, 12:30 pm Regina Pluim, "The Epidemiology of *Xanthomas Campestris* on Citrus." 1-06 Agriculture-Forestry Centre.

## Philosophy

17 November, 3 pm Julian Young, University of Auckland, "Illusion and Ecstasy in Nietzsche's *The Gay Science*." 4-29 Humanities Centre.

## Canadian Institute of Ukrainian Studies

17 November, 7:30 pm Alexandra Kruchka-Glynn, "The Unpublished Manuscripts of Vera Lysenko." Heritage Lounge, Athabasca Hall.

## Slavic and East European Studies

20 November, 3 pm PA Rolland, "Hagiographic Elements in Presbyter Vasilij's Story of the Blinding of Vasyl'ko." 436 Arts Building. 27 November, 3 pm TMS Priestly, "Our Dialect Sounds Stupid": How Nazi Policies Toward Substandard Language Varieties Have Affected Language Usage in Carinthia." 436 Arts Building.

## Rural Economy

20 November, 3:15 pm David Haley, University of British Columbia, "Policy Implications of Transition from Old Growth to Second Growth Management in Canada." 519 General Services Building.

## Pharmacy and Pharmaceutical Sciences

21 November, 3 pm Dennis Johnson, Department of Pharmacology, College of Medicine, University of Saskatchewan, "Pharmacological and Neurochemical Studies in Epileptic Chickens." 2031 Dentistry-Pharmacy Centre. 23 November, 3 pm Khem Jhamandas, Department of Pharmacology and Toxicology, Faculty of Medicine, Queen's University, "Excitatory Amino Acid Effects on Striatal Dopamine Release: Modulation by Opioids." 2031 Dentistry-Pharmacy Centre.

## Physical Education and Sport Studies

22 November, 3:30 pm Murray Smith, "Athlete Motivation, Coaching Development and Sport Psychology: Some Comparisons Between the East Bloc and Canada." E-120 Van Vliet Centre.

## Religious Studies

22 November, 3:30 pm F Landy, "The Shiloheth Experiment (Judges 12:6): Language, Resistance and Gender-Politics in the 'Book of Judges'." Senate Chamber, Arts Building.

## Colloquium on Giftedness

22 November, 7 pm Bruce M Shore, McGill Giftedness Centre, Montreal, "Building a Solid Professional Knowledge Base." 2-115 Education North. Sponsor: Centre for Gifted

Education, University of Calgary. Registration fee. 492-1154.

## Nursing

23 November, 7:30 pm Imogene M King, professor, University of South Florida, College of Nursing, Tampa, Florida, "King's General Systems Framework and Theory." 2F1.04 Mackenzie Health Sciences Centre.

## Law

25 November, 9:30 am Saturday Morning at the Law School—"Environmental Law." Law Centre. 492-3115.

## The Arts

### Exhibitions

#### Musée Héritage Museum

Until 12 November "Cryptogams: Mosses, Lichens and Liverworts"—the extraordinary beauty and importance to the earth of these tiny plants. From University Collections. 5 St Anne Street, St Albert. 459-1528.

#### McMullen Gallery

Until 15 December "The Art Fibre." 1G1.08 Mackenzie Health Sciences Centre. 492-4211.

#### FAB Gallery

Until 26 November "Staff Shows—Part Two." 1-1 Fine Arts Building. 492-2081.

#### Bruce Peel Special Collections Library

Until 29 December "Printed at the Curwen Press"—a miscellany of books, periodicals and ephemera produced at the Press during its heyday, 1919-1956. Hours: 8:30-4:30 Monday and Friday; 8:30-6 Tuesday, Wednesday, Thursday; noon-5 Saturday.

#### Studio Theatre

Until 18 November "Loose Ends." Myer Horowitz Theatre. Admission. 492-2495.

#### Music

11 November, 1 pm Recital with Eugene Rousseau, saxophonist, and Kari Miller, pianist.

11 November, 2:45 pm Masterclass—Eugene Rousseau, saxophonist.

18 November, 8 pm Opera Workshop Performance. Alan Ord, director.

21 November, 8 pm Canada Music Week Concert.

22 November, 8 pm Symphonic Wind Ensemble Concert. Fordyce Pier, director. Admission: \$5/adults; \$3/students and seniors. Events in Convocation Hall.

#### Films

#### Germanic Languages

22 November, 7:30 pm "Das Brot Der Frühen Jahre" (1962). 141 Arts Building.

## Sports

### Basketball

9 to 11 November Golden Bear Invitational.

### Hockey

10 November, 7 pm Golden Bears vs Calgary.

### Swimming

11 November, 2 pm Golden Bears and Pandas vs Calgary.

### Volleyball

17 and 18 November, 6:30 pm Pandas vs Calgary.

17 and 18 November, 8 pm Golden Bears vs Calgary.

## Positions

*The University of Alberta is committed to the principle of equity in employment.*

*In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.*

### Academic

#### Administrative Professional Officer, Special Sessions, Faculty of Extension

Applications are invited for the position of Administrative Professional Officer in the Special Sessions Office, Faculty of Extension.

The APO Reports to the Director of Special Sessions and assists in the planning, organization and administration of the Spring Session and the Summer Session and the Off-Campus Credit program. The position involves extensive liaison with most academic and administrative units within the University as well as frequent contact with students, the public, and representatives of other educational organizations in central and northern Alberta.

The incumbent is also responsible for providing an efficient administrative support system through the selection, supervision, and evaluation of nonacademic staff. Other responsibilities include budget control, Calendar production and promotion of Special Sessions programs.

Applicants must have a university degree and administrative experience in a university setting (relevant experience may be considered in lieu of a degree). Excellent interpersonal skills and the ability to communicate effectively verbally and in writing are required. Experience with microcomputers would be an asset.

Salary will be commensurate with qualifications and experience - the current salary range is \$28,580 to \$42,884 per annum.

The anticipated date of appointment is 1 January 1990.

Applications, including a résumé and the names of three referees, should be sent by 30 November 1989 to: Mr KL Carswell, Director, Special Sessions, Faculty of Extension, 4-107 Education II, University of Alberta, Edmonton, Alberta T6G 2G5.

### Professor or Associate Professor, Department of Secondary Education (Spring Session)

The Department of Secondary Education is inviting applications for the position of Professor or Associate Professor with doctoral degree for Spring Session, 14 May to 15 June 1990. Successful teaching experience is required in advanced level graduate curriculum studies, oriented towards the research methodology of the human sciences. In particular, the duty will be to provide instruction in an advanced level graduate seminar (EDCI 696 Secondary Education: The Utrecht School Semiotic Study of Educational Experience). The course is concerned with the explication of the methodological features of new approaches (related to hermeneutic phenomenology and language analysis) to the study of the lifeworld as practised in Europe at present. Of special interest are the historical developments of the tradition of the Utrecht School, as well as the contemporary debates of the pedagogic significance of postmodern developments in educational discourse.

Salary: Special Session stipend at Professor (\$5,849) or Associate Professor (\$5,649) level.

Closing date for applications is 31 January 1990. Applications, accompanied by *curriculum vitae*, should be sent to: Dr KG Jacknike, Chair, Department of Secondary Education, University of Alberta, Edmonton, Alberta T6G 2G5.

### Support Staff

*To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 492-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 3 November. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSR.*

*Positions available as of 3 November 1989. The salary rates for the following positions reflect adjustments in accordance with the terms for the implementation of the Pay Equity Program.*

Clerk Steno, Grade 4, Romance Languages, (\$1,456-\$1,973)

Clerk Typist, Grade 5, Physical Education and Sport Studies, (\$1,623-\$2,166)

Clerk Steno (Conferences), Grade 5, Faculty of Law, (\$1,623-\$2,166)

Clerk Steno (Admissions), Grade 5, Faculty of Law, (\$1,623-\$2,166)

Library Clerk, Grade 5, Humanities and Social Sciences Library, (\$1,623-\$2,166)

Administrative Clerk, Grade 5, University Computing Systems, (\$1,749-\$2,166)

Secretary, Grade 5, Animal Science, (\$1,749-\$2,166)

Secretary, Grade 6, Plant Science, (\$1,808-\$2,386)

Systems Control Clerk, Grade 6, Physical Plant, (\$1,914-\$2,386)

Laboratory Assistant, Grade 2, Provincial Laboratory, (\$1,336-\$1,647)

Typographical Tradesman, Grade 6, Printing Services, (\$2,051-\$2,556)

Programmer Analyst, Grade 7, University Computing Systems, (\$2,084-\$2,612)

Audio and Video Technician, Grade 7, Instructional Technology Centre, (\$2,084-\$2,612)

Administrative Assistant, Grade 8, Office of the Registrar, (\$2,251-\$2,839) Technologist, Grade 8, Entomology, (\$2,251-\$2,839)

Graphic Technician, Grade 8, Technical Services (Graphics), (\$2,251-\$2,839) Dental Technician, Grade 10, Restorative Dentistry, (\$2,622-\$3,346)

Programmer Analyst, Grade 10, Psychology, (\$2,622-\$3,346)

**The following positions retain salary rates in accordance with the previous classification system and pay plan.**

Clerk Typist II (Part-time/Trust/Term to 30 June 1990), Rick Hansen Centre, (\$8.73/hour-\$10.84/hour)

Clerk Steno III (Trust), Faculty of Medicine, (\$1,475-\$1,853)

Library Assistant III (Trust), Legal Resource Centre, (\$1,934-\$2,488)

Technician I/II (Trust), Pediatrics, (\$1,705-\$2,488)

Technician II (Part-time/Trust/Term to 30 June 1990), Medical Microbiology and Infectious Diseases, (\$12.75/hour-\$16.40/hour)

Technologist I (Trust/Term to 31 March 1990), Pharmacology, (\$2,100-\$2,710)

Technologist II (Trust), Immunology, (\$2,283-\$2,960)

river view, available immediately. Lease 1,200', \$1,100/month. Western Relocation, 488-0056.

Rent - Perfect family home! Blue Quill, executive two storey, four bedrooms, den, family room with fireplace, furnished and coordinated, 3,000'. Lease \$2,000/month, 1 December. Western Relocation, 488-0056.

Rent - New two storey, two bedroom, loft, fireplace, jacuzzi, \$1,300. Western Relocation, 488-0056.

### Accommodations wanted

Two former University professors want to housesit/pay reasonable rent, 22 December to 12 January. Phone Lou, 431-0562.

Apartment in Honolulu/Maui, 15 December-4 January. 433-8302.

### Goods for sale

Cash paid for appliances, 432-0272.

The Edmonton Book Store specializes in books for the University community. Quality books bought and sold every day; just a short walk from campus, 8530 109 Street. Call 433-1781.

Excellent Persian woollen rug, 434-7392. Violin, 1919 Seidel, excellent condition, good tone, \$600. Phone 483-4993.

Zenith PC, never used, 20MB, 640K, in box. Retail price, \$1,600; sale, \$1,200, 435-9457.

Photography enthusiasts, 3D camera now available in Canada. Order now for Christmas. Phone Joanne, 487-4581.

### Services

Donnic Word Processing - Since 1978, specializing in theses, manuscripts, etc. 453-2769.

Word Processing, \$1.50/dspage, 462-8930.

David Richards Carpentry. Certified journeyman NAIT. Complete interior and exterior residential renovations including plumbing and electrical. References available, 437-0794.

Professional typist-word processing. Specializing in theses, dissertations, manuscripts. Gwen, 467-9064.

Henry Kreisel celebrated his birthday with us at Troy! Join us in 1990. Golden Horn Tours, 10115 150 Street, T5P 1P2. 483-8288.

Computerized literature searching. Expert information retrieval by experienced scientist. All areas. Requests accepted by phone. No red tape! Competitive rates. Satisfaction guaranteed. JL Citation Services, 487-8652.

Looking for experienced patient tutor for English literature/composition? SSHRC private scholar, internationally published writer. Available to university/high school students. 483-9308.

Old fashioned expert, hand tapers, specializing in straight painted drywall ceilings, also doing some old style ceiling designs. Finest possible workmanship guaranteed. Please phone Stan, 479-6640.

Relaxation practitioner, certified teacher. Massage, Trager, T'ai Chi Chih. Anthea Lee, 435-4034. Twelve visits included in Faculty Supplemental Health Plan.

Wedding, bridesmaid, ladies gowns. Suits, slacks, skirts, blouses, uniforms made to measure. General alterations. Jeans hemmed while you wait, \$2.99. Assorted fabrics available. 469-6292.

Moving? We'll clean up the mess after the movers leave. Reasonable rates. For free estimate, call Bethel Maintenance, 456-0505.

## Advertisements

### Accommodations available

Victoria properties - Experienced, knowledgeable realtor with Edmonton references will answer queries, and send information. No cost or obligation. Call collect (604) 595-3200, Lois Dutton, Re/Max Ports West, Victoria, BC.

Rent - Fully furnished three bedroom townhouse, south side, January-July, \$695/month. Possibility car. 435-1710, 492-5731.

Rent - Aspen Gardens, three bedroom bungalow, two car garage, five appliances, fully developed basement, \$1,000/month plus deposit. No pets, references. 1 December. 435-7157.

Rent - North Windsor Park, bungalow, study. April 1990-August 1991. \$950/month, 492-4301, 433-5705.

Christmas at Panorama Ski Resort. Luxury, newly furnished, one bedroom condo sleeps four. Fireplace, full kitchen. 23 December to 30 December, \$1,000. J Relyea, 922-4080 evenings.

Rent - January for one year, two-plus bedroom bungalow, fully furnished, large lot, garden. Pleasantview, quiet area close to schools, bus, stores. \$650/month. Non-smokers. 435-2027.

Rent - University area, main floor, two bedrooms, stove, fridge, washer, garage, available 1 December, \$550 per month. Call 441-4544.

Rent - Sunny, spacious apartment, two bedrooms, large living room and kitchen, four appliances, garage, utilities included. Close to campus, 7813 116 Street. References. \$700/month, \$350 DD. Ideal for working couple. 436-0133.

Sale - Immaculate, custom built bungalow designed to accommodate a wheelchair. For specific details on this unique 1,575' home, call Joan Lynch, Spencer Realty, 436-5250, 433-9025.

Rent - Furnished one bedroom condo,

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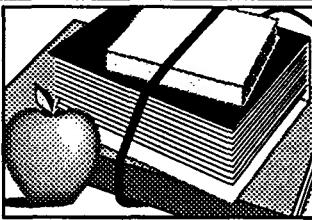
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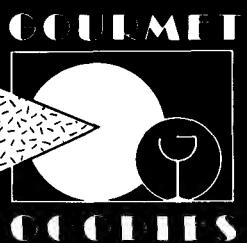
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